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molecules comprise substituents R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> attached at the positions of the OH- groups of a glycerol backbone, and wherein R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> are selected from the group consisting of a hydroxyl group and an octadecadienoic acid, the composition characterized in containing at least approximately 30% t10,c12 octadecadienoic acid, at least approximately 30% c9,t11 octadecadienoic acid, and about less than 1% total of 8,10 octadecadienoic acid, 11,13 octadecadienoic and trans-trans octadecadienoic acid at positions R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub>. Likewise, in other embodiments, a conjugated linoleic acid composition comprising a mixture of esters of conjugated linoleic acid isomers is provided, the mixture containing at least approximately 30% t10,c12 octadecadienoic acid, at least approximately 30% c9,t11 octadecadienoic acid, and about less than 1% total of 8,10 octadecadienoic acid, 11,13 octadecadienoic and trans-trans octadecadienoic acid.

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IN THE CLAIMS:

Please substitute the following amended claims for the original pending claims of the same numbers; the amended claims are rewritten in clean form, in accordance with 37 CFR 1.121(c)(1)(i).

B2

5. (Amended twice) A biologically active acylglycerol composition comprising a plurality of acylglycerol molecules wherein the acylglycerol molecules comprise substituents R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> attached at the positions of the OH- groups of a glycerol backbone, and wherein R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> are selected from the group consisting of a hydroxyl group and an octadecadienoic acid, said composition characterized in containing at least approximately 30% t10,c12 octadecadienoic acid, at least approximately 30% c9,t11 octadecadienoic acid, and about less than 1% total of 8,10 octadecadienoic acid, 11,13 octadecadienoic and trans-trans octadecadienoic acid at positions R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub>, wherein said percentages are peak area percentages as determined by gas chromatography.

B3

13. (Amended twice) A composition comprising a prepared food product containing a biologically active acylglycerol composition comprising a plurality of acylglycerol molecules wherein the acylglycerol molecules comprise substituents R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> attached at the positions of the OH- groups of a glycerol backbone, and

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wherein  $R_1$ ,  $R_2$ , and  $R_3$  are selected from the group consisting of a hydroxyl group and an octadecadienoic acid, said composition characterized in containing at least approximately 30% t10,c12 octadecadienoic acid, at least approximately 30% c9,t11 octadecadienoic acid, and about less than 1% total of 8,10 octadecadienoic acid, 11,13 octadecadienoic and trans-octadecadienoic acid at positions  $R_1$ ,  $R_2$ , and  $R_3$ , wherein said percentages are peak area percentages as determined by gas chromatography.

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